

Liquid Gold: California's Water

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Initiative Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
California State Board of Education
California Department of Education
Department of Resources Recycling and Recovery (CalRecycle)

Key Partners:

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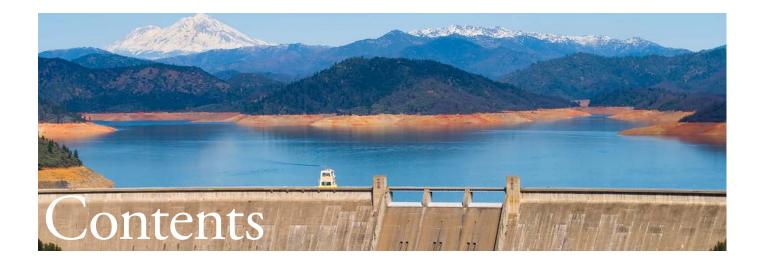
Valuable assistance with maps, photos, videos and design was provided by the **National Geographic Society** under a contract with the State of California.

Office of Education and the Environment

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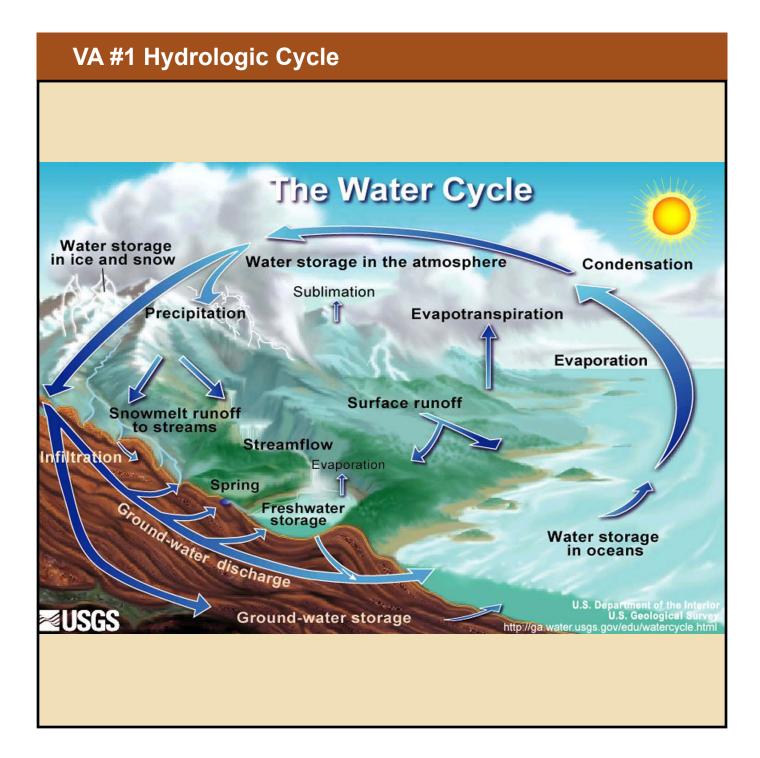
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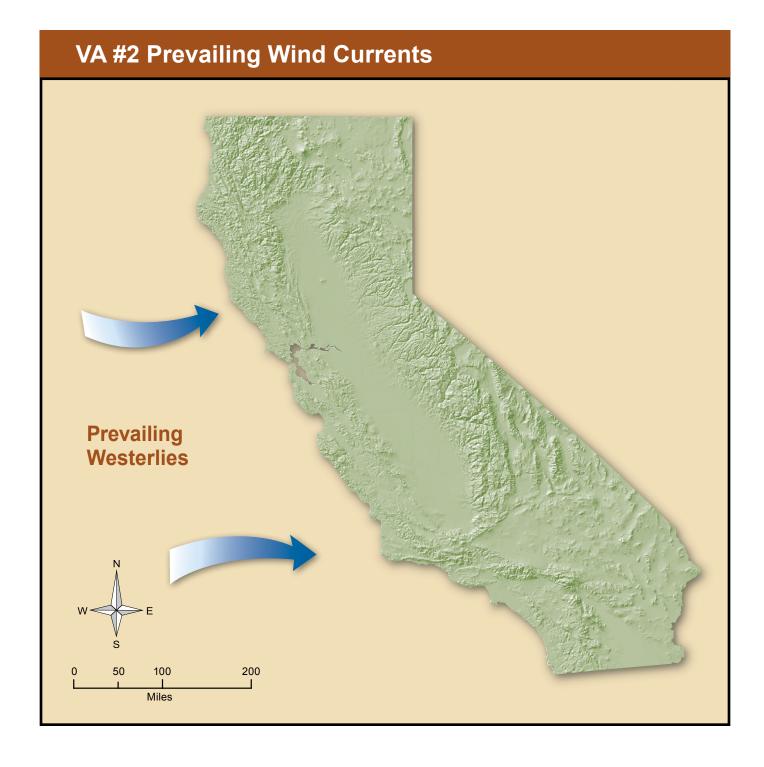


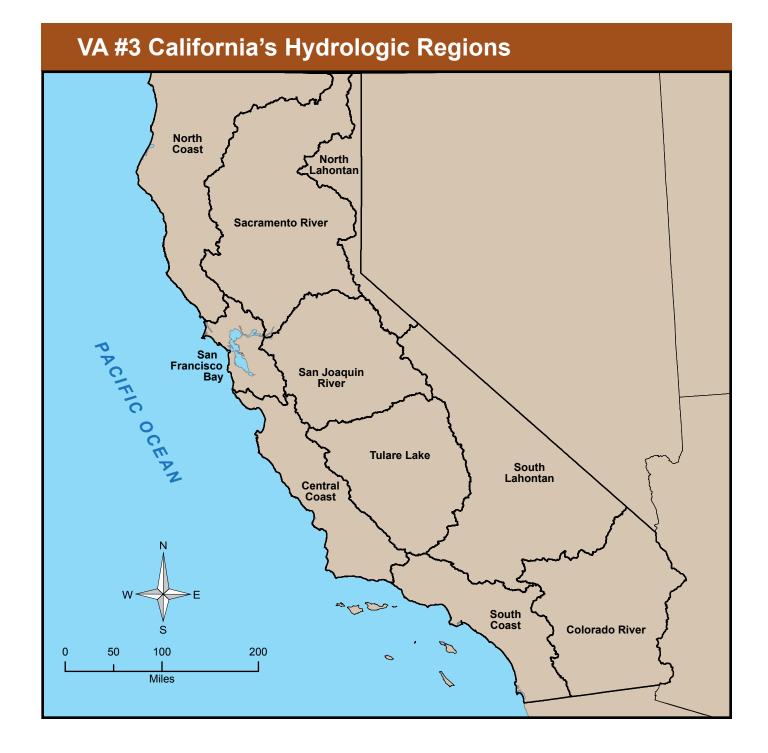
Lesson 1 Who's in Charge of the Water?

None required for this lesson.

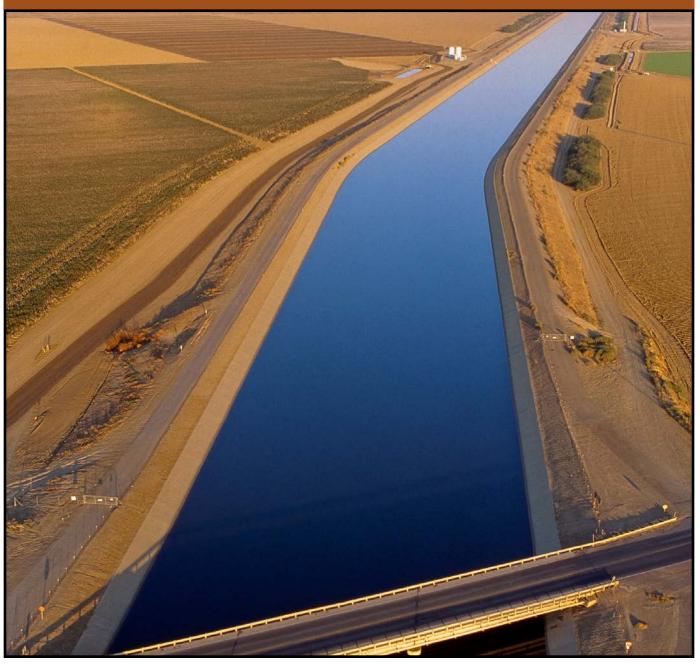
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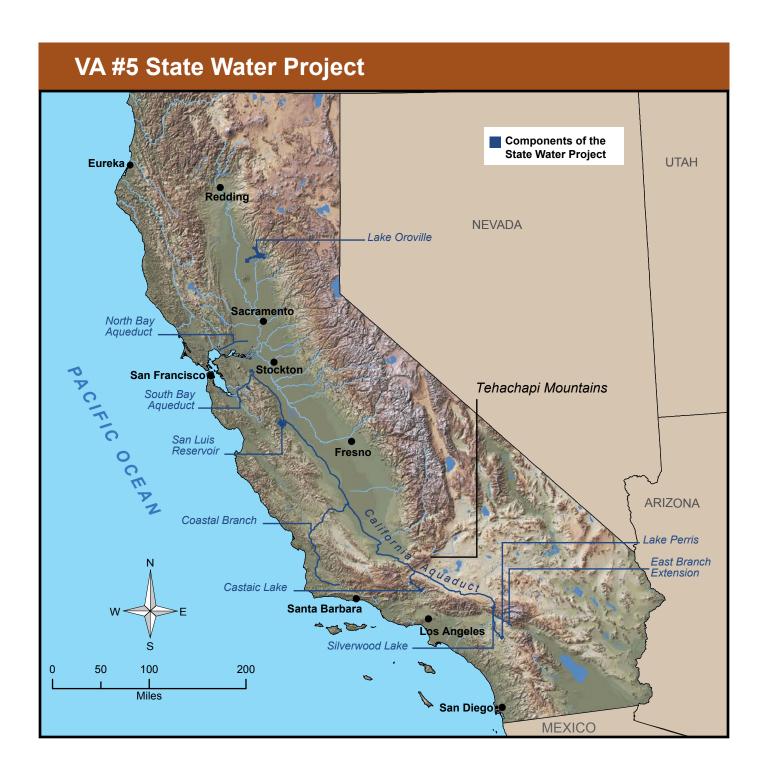


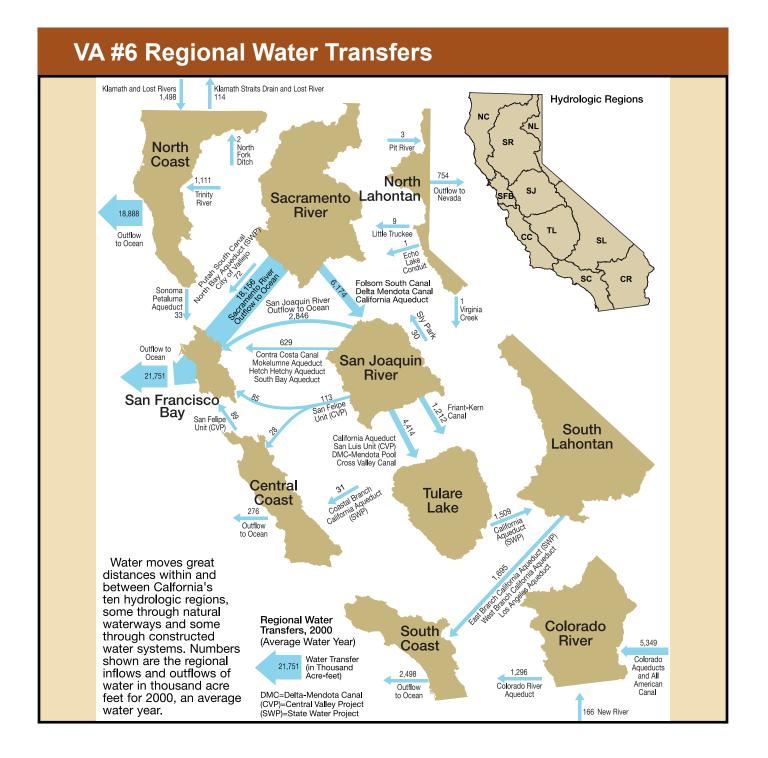


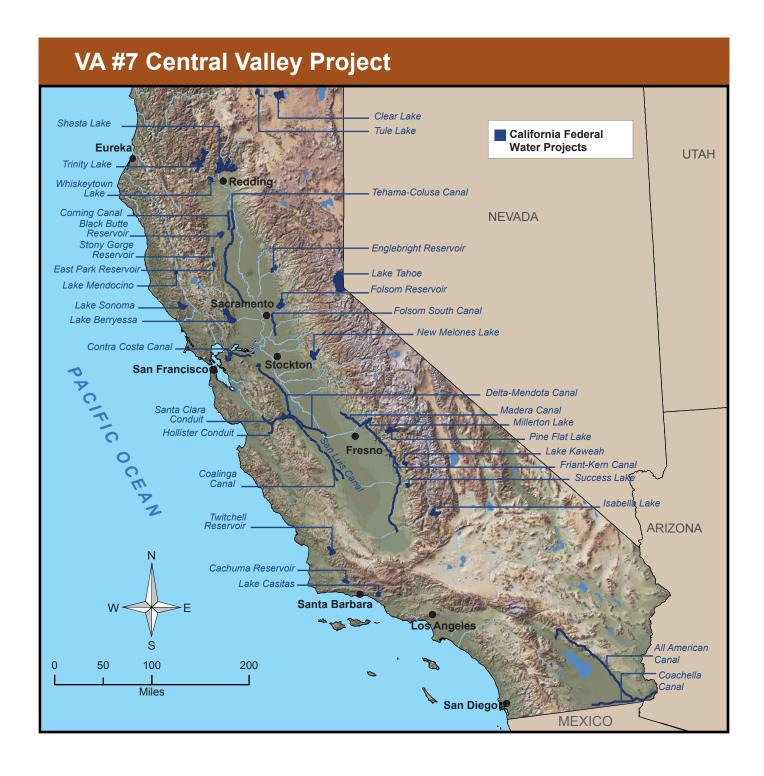


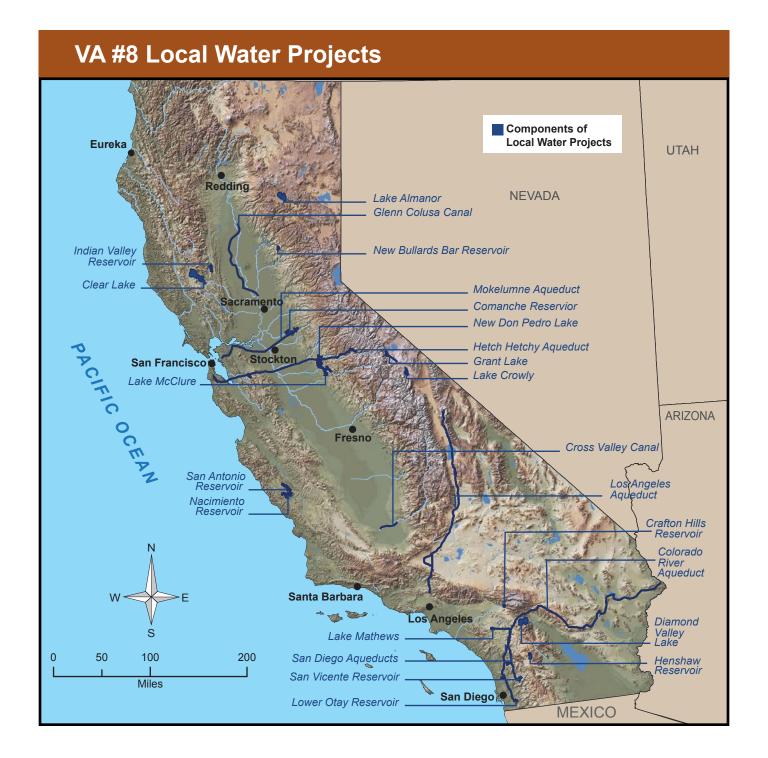
VA #4 The California Aqueduct











VA #10 Delta Vision Recommendations

- **Goal 1:** Legally acknowledge the co-equal goals of restoring the Delta ecosystem and creating a more reliable water supply for California.
- **Goal 2:** Recognize and enhance the unique cultural, recreational, and agricultural values of the California Delta as an evolving place, an action critical to achieving the co-equal goals.
- **Goal 3:** Restore the Delta ecosystem as the heart of a healthy estuary.
- **Goal 4:** Promote statewide water conservation, efficiency, and sustainable use.
- **Goal 5:** Build facilities to improve the existing water conveyance system and expand statewide storage, and operate both to achieve the co-equal goals.
- **Goal 6:** Reduce risks to people, property, and state interests in the Delta by effective emergency preparedness, appropriate land uses, and strategic levee investments.
- **Goal 7:** Establish a new governance structure with the authority, responsibility, accountability, scientific support, and secure funding to achieve these goals.

VA #11 California's Annual Water Budget

California's Water Budget	Quantity of Water			
Precipitation and Imported Water	200 million acre-feet			
Used in Evaporation/Transpiration (plants)	-130 million acre-feet			
Total Runoff	70 million acre-feet			
Available from Runoff	70 million acre-feet			
Outflow to Pacific Ocean	-21 million acre-feet			
Total Runoff Stored in Reservoirs	49 million acre-feet			
Stored in Reservoirs	49 million acre-feet			
Used for Agriculture	- > 20 million acre-feet			
Used for Urban Purposes	- > 5 million acre-feet			
Allocated to Ecosystems (Instream)	- > 25 million acre-feet			

Note: By the year 2030, experts believe that California's water use will increase by 4 million acre-feet. Current precipitation amounts have remained unchanged for thousands of years. In the future, climate change may influence the amount of water produced by natural sources, and Californians should be prepared for less water from natural sources.





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